

FILE NOTATIONS

Entered in NID File

☒

Entered On S R Sheet

☒

Location Map Pinned

☒

Card Indexed

☒

IWR for State or Fee Land

☐

Checked by Chief

RLL

Copy NID to Field Office

☒

Approval Letter

In Unit

Disapproval Letter

☐

COMPLETION DATA:

Date Well Completed

8-20-61

Location Inspected

☐

OW

WW

TA

Bond released

☐

GW

OS

PA

State of Fee Land

☐

LOGS FILED

Driller's Log

11-14-61

Electric Logs (No.)

3

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

☒

☒

☐

Rework

FILE NOTATIONS

Entered in N I D File ✓
Entered On S R Sheet _____
Location Map Pinned ✓
Card Indexed _____
I W R for State or Fee Land _____

Checked by Chief QNB
Copy N I D to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 3/12/67
OW ✓ WW _____ TA _____
GW _____ OS _____ PA _____

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log 3-22-67
Electric Logs (No.) _____

E _____ L _____ E-I _____ GR _____ GR-N _____ Micro _____
Lat _____ Mil _____ Sonic _____ Others _____

VERITY, BURR & COOLEY
ATTORNEYS AND COUNSELLORS AT LAW
SUITE 152 PETROLEUM CENTER BUILDING
FARMINGTON, NEW MEXICO

GEO. L. VERITY
JOEL B. BURR, JR.
WM. J. COOLEY

July 12, 1961

TELEPHONE 325-1702

Utah Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City, 11, Utah


Gentlemen:

Enclosed herewith is an original and one copy of Notice of
Intention to Drill Underwood Bluff No. 1 Well, San Juan
County, Utah.

Very truly yours,

VERITY, BURR & COOLEY

By


Geo. L. Verity

GLV/dh
Enclosures

cc: Mr. Rip C. Underwood

(SUBMIT IN DUPLICATE)

LAND:

	33	

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....☐
State☐
Lease No.
Public Domain☒
Lease No. SL067710-C
Indian☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	X	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....
Notice of Intention to Abandon Well.....		

JUL 13 1961
U. S. GEOLOGICAL SURVEY
DUNN-CC-0

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12, 1961

Well No. 1 BLUFF is located 2080 ft. from {N} line and 1630 ft. from {W} line of Sec. 33
NW $\frac{1}{4}$, Section 33 39 South, 23 East SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ ^{ground level} above sea level is 4707 feet.

A drilling and plugging bond has been filed with BLM

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

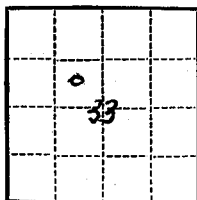
Surface casing 10 3/4" -- 500 feet
Conductor pipe 13 3/8" -- 30 feet

Objective sands Ismay and Desert Creek 5500 to 6000 feet

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Rip C. Underwood, an individual
 Address P.O. Box 2588 By Donald W.B. Stewart
Amarillo, Texas Title Attorney in fact

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Copy to HC
Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City
Lease No. SL067710-G
Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1 is located 2080 ft. from [N] line and 1630 ft. from [W] line of sec. 33
NW 1, Section 33 39 South, 23 East, SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Arath Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground level above sea level is 4707 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Surface casing 10 3/4" - 500 ft
Conductor pipe 13 3/8" - 30 ft
Objective sands Lemay & Dunit
Creek 5500 to 6000'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Rip C. Underwood, an individual

Address P.O. Box 2588, Amarillo, Texas

By Small W.B. Stewart

Title Attorney in fact

COMPANY Rip C. Underwood

Well Name & No. #1 BLUFF

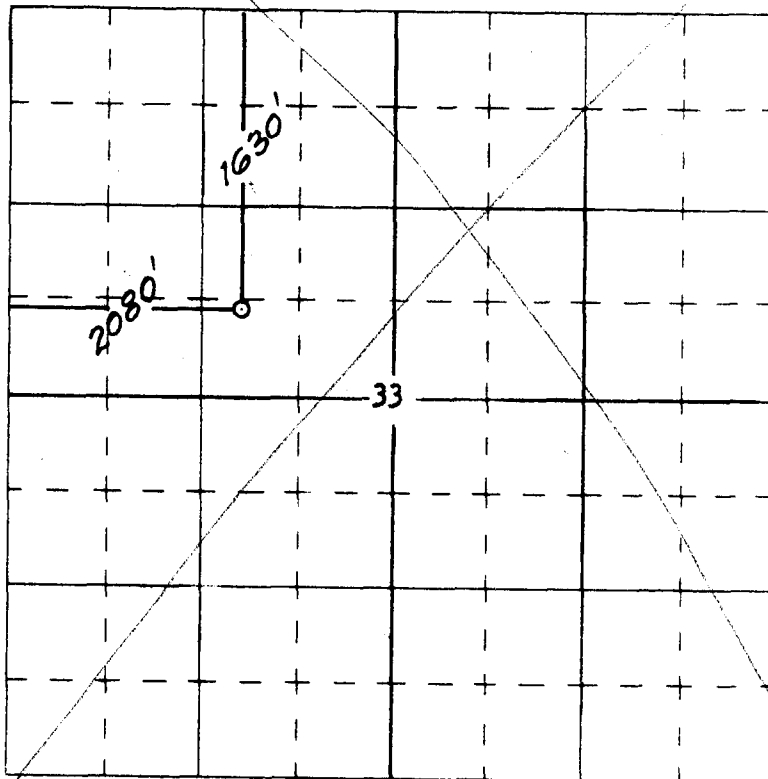
Lease No. 54-067710-C

Location 2080 feet from the North line and 1630 feet from the West line

Being in SE $\frac{1}{4}$ of NW $\frac{1}{4}$

Sec. 33, T39 S. R 23 E. S.L.M. San Juan County, Utah

Ground Elevation 4704



Scale -- 4 inches equals 1 mile

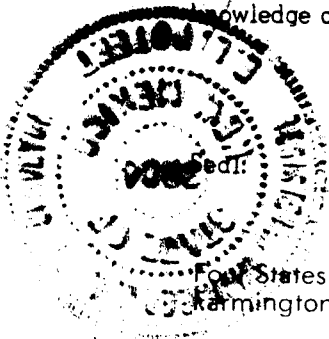
Surveyed July 5-6,

19 61

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

E. L. Poteet

E. L. Poteet
N. M. No. 3084
Registered Engineer & Land Surveyor
Practicing in Utah under Laws
regulating Professional Engrs.
and Land Surveyors, Utah Code 1953,
Title 58-10-16



Corrected Plat - Changing footages
to correct distances as staked
on the ground

COMPANY Rip C. Underwood

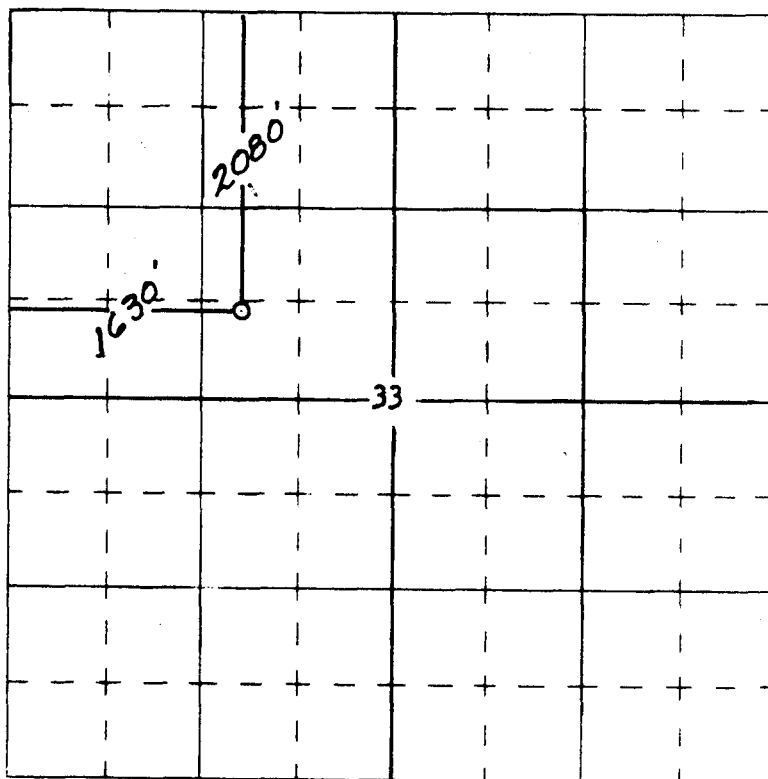
Well Name & No. _____

Location 2080 feet from the North line and 1630 feet from the West line

Being in SE $\frac{1}{4}$ of NW $\frac{1}{4}$

Sec. 33, T39 S. R 23 E. S.L.M. San Juan County, Utah

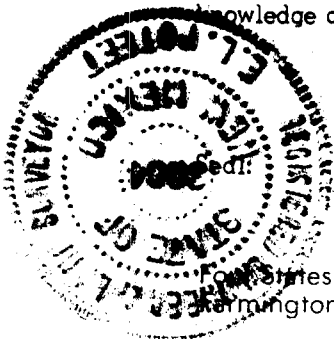
Ground Elevation 4704



Scale -- 4 inches equals 1 mile

Surveyed July 5-6, _____, 19 61

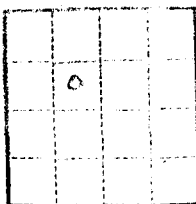
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



For Oil Field Surveys
Birmingham, New Mexico

E. L. Poteet

E. L. Poteet
N. M. No. 3084
Registered Engineer & Land Surveyor
Practicing in Utah under Laws
regulating Professional Engrs.
and Land Surveyors, Utah Code 1953,
Title 58-10- 16



(STANDARD FORM NO. 10)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No. *24,061,710-2*

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

RECEIVED

JUL 28 1961

U. S. GEOLOGICAL SURVEY
DURANGO CO CO

(MOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

7/25/1961

Well No. *Blue #1* is located *2080* ft. from *N* line and *1630* ft. from *W* line of sec. *33*

SE 1/4 of NW 1/4
(1/4 Sec. and Sec. No.)

29
(Twp.)

13 E
(Range)

S 1 M.
(Meridian)

Baker
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is *4717* ft. (*4707 plus 10*)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

*Set 53' of 13 3/8 B4# Spiral pipe Cemented with 50 SKS of
Common Cement 2 of 6.6 Will wait 12 hrs on cement before SS.
RCH*

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company *Rip to Woodward*

Address *Del Rio*

Comanche

Tex.

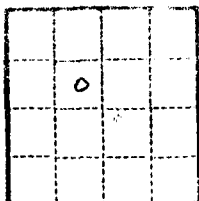
By *R. H. Kowalski*

Title *Production Supt.*

7/2

copy 40 4/6

198



(SUBMIT IN TRIPlicate)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit

54.067710-C

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

AUG 1 1961

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

7/22/1961

Well No. Bluff 1 is located 2080 ft. from N line and 1630 ft. from W line of sec. 33

SE 1/4 of NW 1/4 39 23E SLM
(1/4 Sec. and Sec. No.) (Twp) (Range) (Meridian)

Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5717 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Set 1436' of 8 5/8 24# 55 seamless pipe cemented with 200
bags of common 2 of C.C. No water flow 24 hrs waiting time
on cement Wengate S.S. RCR.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Rip & Underwood

Address Box 2588

Amarillo

Texas

By A. Chandler

Title Production Supt.

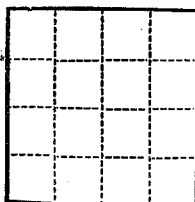
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. _____

Unit **SI-067710-C**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR _____
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____
NOTICE OF INTENTION TO ABANDON WELL _____	Drill Stem Test _____ X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1961

RIP C. UNDERWOOD
Well No. #1 Bluff is located 2080 ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 1630 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of sec. 33

$\frac{1}{4}$ Sec. and Sec. No. **T39S** **R23E** **S14M**
(Twp.) (Range) (Meridian)
Bluff Area **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4714 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 17, 1961 DST 5435-5518 (Desert Creek) Open 2½ hrs. SI one hour for initial and final B.P. GTS 1 hour 45 min, TSTM. Recovered 280' fluid (70' condensate, 90' condensate cut mud, 120' slightly oil cut drilling mud). IF 44# FF118#, ISIP 2100# PSIP 1904#, IH 2936# PH 2920#.

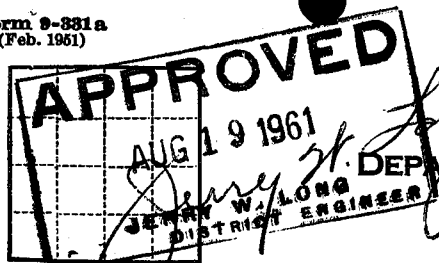
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **R. C. UNDERWOOD**

Address **1st National Bank Bldg.**

Amarillo, Texas

By *Brian Kirby*
Brian Kirby
Title Agent.



(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____

Lease No. _____

Unit **SL-067710-C**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR _____
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____
NOTICE OF INTENTION TO ABANDON WELL <input checked="" type="checkbox"/>	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1961

RIP C. UNDERWOOD
Well No. #1 Bluff is located 2080 ft. from $\begin{Bmatrix} N \\ S \end{Bmatrix}$ line and 1630 ft. from $\begin{Bmatrix} E \\ W \end{Bmatrix}$ line of sec. 33

(1/4 Sec. and Sec. No.) **T39S** (Twp.) **R23E** (Range) **SLM** (Meridian)
Bluff Area (Field) **San Juan** (County or Subdivision) **Utah** (State or Territory)

The elevation of the derrick floor above sea level is 4714 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 19, 1961. Plugging instructions from USGS by verbal approval:

5418-5518(TB) Shut off porosity in the Desert Creek Zone.
 4400-4500 Seperate Penns. from Permian strata.
 50' plug in bottom of surface pipe (1386-1436)
 10' plug in top and 4' marker.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **R. C. UNDERWOOD**

Address **1st National Bank Bldg.**

Amarillo, Texas

By *Brian Kirby*
Brian Kirby
Title Agent.

RIP C. UNDERWOOD
P. O. BOX 2588
FIRST NATIONAL BANK BUILDING
AMARILLO, TEXAS

November 10, 1961

State of Utah
Oil and Gas Conservation Commission
Salt Lake City, Utah

Attention: Mrs. Ann Glines

Dear Mrs. Glines:

Reference is made to our telephone conversation today in the course of which you advised the writer that you had not received any of the notices in connection with the Rip C. Underwood Bluff Well No. 1 in San Juan County, Utah.

For your records, we are enclosing herewith two (2) copies of each of the five (5) notices which have been filed to date with the United States Geological Survey.

As you were advised today, the well was temporarily abandoned pending a decision to go back into it for an attempted completion; however, we have decided to permanently abandon the well, and final notice will be filed with the United States Geological Survey either today or early next week by our geologist, who has been instructed to also forward a final notice to your office.

We were embarrassed to learn that you had not received any of these notices, as it had been our understanding that they were being filed with you at the same time the filings were made to the United States Geological Survey in Durango, Colorado.

We want to assure you that all future required filings will be made promptly from this office.

Yours very truly,

RIP C. UNDERWOOD

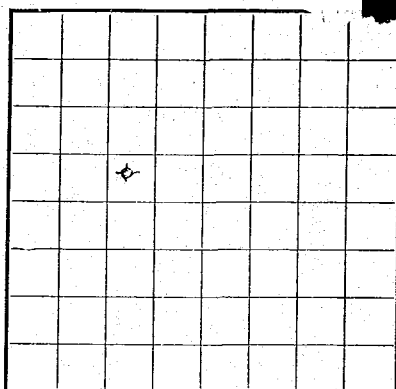
By: 
H. D. Thompson

HDT:jb
Enclosures

U. S. LAND OFFICE

SERIAL NUMBER SL-067710-C

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company R. C. Underwood Address 1st National Bank Bldg.-Amarillo, Texas
 Lessor or Tract #1 Bluff Field Bluff Area State Utah
 Well No. #1 Sec. 33 T. 39S R. 23E Meridian SLM County San Juan
 Location 2080 ft. 55 of N Line and 1630 ft. 54 of W Line of Sec. 33-T-39S-R23E Elevation 4714 DF
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Brian KirbyDate November 11, 1961 Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling July 25, 1961 Finished drilling August 16, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5465 to 5461 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____
IMPORTANT WATER SANDS
 No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	35.6	8 Round	Armco Spiral	53					Surface
8-5/8	24	8 Round	J55CF&I	1436					Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	53	50	B-J		
8-5/8	1436	200	B-J		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	53	50	B-J		
8-5/8	1436	200	B-J		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1573	1573	JURASSIC SD & SH
1573	2275	702	Chinle SLTST & SH
2275	2390	115	Shinarump COMG SD & SH
2390	2470	80	Moenkopi SH
2470	4453	1983	Cutler SH ANHY LM
4453	5193	740	Hermosa LM SH SD SLTST ANHY
5193	5350	157	ISMAY LM SH SLTST DOL CHT
5350	5386	36	Paradox Sh SH
5386	5488	102	Desert Creek Dol LM ANHY SH SLTST
5488	5518 (TD)	30	C Shale SH

[OVER]

16-48004-3

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

This test was spudded July 25, 1961. 13 3/8" casing was set at 53' with 50 sacks of cement. An intermediate string of 8 5/8" casing was set at 1436' with 200 sacks of cement. A 7 7/8" hole was then drilled to total depth. A depth of 5518' was reached at 6:50 P.M. August 16, 1961. On August 18 a DST was completed in the Desert Creek zone from 5435-5518. This test was opened 2 1/2 hrs. SI one hour for initial and final BHP. GTS 1 hour 45 min. TSTM. Recovered 280' fluid (70' Condensate, 90' Condensate cut mud, 120' slightly oil cut drlg. mud). IF 44# FF 118#, ISIP 2100# FSIP 1904#, IH 2936# FH 2920#. ES-Induction, GammaRay Sonic, and Micro-Log (with caliper) logs were then run, and completed August 19, 1961. The test was then plugged according to USGS instructions August 20, 1961.

Plugs were set at the following depths:

- 5418-5518 (34 Sx) Shut off porosity in the Desert Creek zone.
- 4400-4500 (34 Sx) Shut off Pennsylvanian from upper hole.
- 1420-1370 (17 Sx) 50' plug in bottom of surface pipe.
- 15 Sx were used to set a steel marker on top showing: "Rip C. Underwood-Bluff #1".

SECTION OF LOGS

SEE PLANNING OF THE WELL

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

WASHINGTON, D. C. 20548

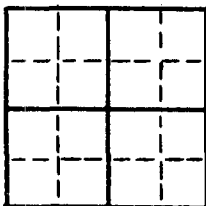
(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented.....☐State.....☐

Lease No.

Public Domain.....☒Lease No. SL-067710-CIndian.....☐

Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 11, 1961

RIP C. UNDERWOOD

Well No. #1 Bluff is located 2080 ft. from {N} line and 1630 ft. from {W} line of Sec. 33

(1/4 Sec. and Sec. No.)

T39S

(Twp.)

R23E

(Range)

SLM

(Meridian)

Bluff Area

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 4714 feet.

A drilling and plugging bond has been filed with Required agents.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

By oral approval from the USGS in Durango, the following plugs were authorized.

5418-5518 Shut off porosity in the Desert Creek zone.
 4400-4500 " " Pennsylvanian from upper hole.
 1420-1370 50' plug in bottom of surface pipe.
 Steel marker on top.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Rip C. Underwood

Address 1st National Bank Bldg.
Amarillo, TexasBy Brian Kirby
Title Agent.

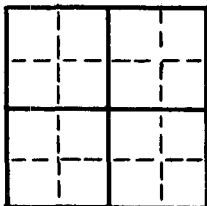
INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

(SUBMIT IN DUPLICATE)

LAND:

R.L.L.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH



Fee and Patented.....☐
State.....☐
Lease No. SL 067710-C
Public Domain.....☒
Lease No.
Indian.....☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			
<u>Drill Stem Test</u>	<u>X</u>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 11, 1961

BHP UNDERWOOD

Well No. #1 Bluff is located 2080 ft. from {N} line and 1630 ft. from {E} line of Sec. 33

T39S R23E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff Area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4714 feet.A drilling and plugging bond has been filed with Required agents.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Dst 5435-5518 (Desert Creek) Aug. 18, 1961. Open 2½ hrs. SI one hour for initial and final BHP. GTS 1 hour 45 min. TSTM. Recovered 280' fluid (70' Condensate 90' Condensate cut mud, 120' slightly oil cut drilling mud). IF #44-FF #118, ISIP 2100# FSIP 1904#, IH 2936# FH 2920#.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

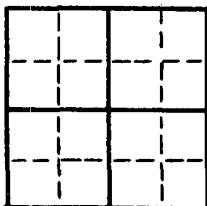
Company R. C. UnderwoodAddress 1st National Bank Bldg.Amarillo, Texas

By Brian Kirby
Title Agent

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

RLS

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....☐State☐

Lease No.

Public Domain☒

Lease No. SL-067710-C

Indian☐

Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	Subsequent Report of Abandonment..... <input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 11, 1961

RIP C. UNDERWOOD

Well No. #1 Bluff is located 2080 ft. from {N} line and 1630 ft. from {W} line of Sec. 33

Bluff Area (Field) T39S (Twp.) R23E (Range) SLM (Meridian)
San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4714 feet.

A drilling and plugging bond has been filed with Required agents.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

The subject test was plugged on August 20, 1961, with 100 sx of cement. Plugs were placed at the following depths:

5418-5518 (34SX) Shut off porosity in the Desert Creek zone.
4400-4500 (34SX) " " Pennsylvanian from upper hole.
1420-1370 (17SX) 50' plug in bottom of surface pipe.
15 SX were used to set a steel marker on top showing: "Rip C. Underwood-Bluff #1".

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Rip C. Underwood

Address 1st National Bank Bldg.

Amarillo, Texas

By Brian Kirby
Title Agent.

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

February 2, 1962

Rip C. Underwood
1st National Bank Bldg.,
Amarillo, Texas

Attn: Brian Kirby, Agent

Re: Well No. Bluff #1,
Sec. 33, T. 39 S., R. 23 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not as yet been filed with this office as required by our rules and regulations.

Your prompt attention to the above request will be very much appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES,
RECORDS CLERK

AWG:kpb

RIP C. UNDERWOOD
P. O. BOX 2588
FIRST NATIONAL BANK BUILDING
AMARILLO, TEXAS

February 7, 1962


The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Gentlemen:

As requested in your letter of February 2, we are enclosing one copy each of the Induction-Electrical Log, MicroLog, and Sonic Log, all of which were run on the Rip C. Underwood Bluff #1 in Section 33-39S-23E, San Juan County, Utah.

Yours very truly,

RIP C. UNDERWOOD

By: 
H. D. Thompson

HDT:jb
Encs:


SN

May 28, 1962

MEMO FOR FILING

Re: Rip C. Underwood
Bluff #1
Sec. 33, T. 39 S., R. 23 E.,
San Juan County, Utah

I spoke to Mr. Rip C. Underwood by telephone today concerning another well and asked what he had done regarding the Bluff #1 location. He stated a contractor had recently cleaned the location and that it was ready for final inspection.



ROBERT L. SCHMIDT,
CHIEF PETROLEUM ENGINEER

RLS:kb

cc: H. L. Coonts, Moab

UNITED STATES
DEPARTMENT OF THE INTERIORGEOLOGICAL SURVEY **Conoco Les. #161856**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒ **REDRILL**DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1621 - Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

2080' FNL, 1630' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

8017. NO. OF ACRES ASSIGNED
TO THIS WELL**80**18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4704' GR, 4714' KB

22. APPROX. DATE WORK WILL START*

1/25/67

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13 3/8"		53'	
	8 5/8"		1436'	
7 7/8"	5 1/2"	15.5#	5500'	300 sacks

This well was drilled in 1961 to a TD of 5518' by Rip Underwood on a farmout from Shell and Delhi-Taylor (subsequently Continental-Tenneco). The well was plugged and abandoned in August, 1961. We propose to drill out the cement, plugs to 5500' to define the productive limit of the Desert Creek Formation in the Bluff Unit. Perfs will be at approximately 5464'-74' and will be acidised. If commercial production is encountered, a production string will be run and the well completed.

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE: 1-25-67

by *Ed H. Burchell*
Chief Petroleum Engineer

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Original Signed By:

SIGNED

H. D. HALEY

TITLE

District Manager

DATE

1/20/67

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

USGS-Dgo(3) UO6CCC(2) TOC DRB RJE NDH Underwood

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

Conoco Les #161856

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other Re-drill
2. NAME OF OPERATOR Continental Oil Company							
3. ADDRESS OF OPERATOR P. O. Box 1621, Durango, Colorado							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2080' FNL, 1630' FWL At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	
1/28/67		2/6/67		3/12/67		4704' GR, 4714' KB	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
5518'		5496'				0-5518'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Desert Creek 5464-72'							25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN Correlation, Gamma Ray-Neutron							27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13 3/8"		53'		Old Casing			
8 5/8"		1436'		Old Casing			
5 1/2"	15.5#	5518'	7 7/8"	300 Sacks		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5444'	5444'
31. PERFORATION RECORD (Interval, size and number) 5464-72' - 2 SPT (NCF-2 jets)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				5464-72'			
				5464-72'			
				AMOUNT AND KIND OF MATERIAL USED			
				1000 gals 15% HCL, 40 gals "ADO-MALL" adtv & 30 gals Morflo			
				10,000 gals 15% HCL, 15 balls,			
				10,000 gals wtr w/"ADOMALL" adtv.			
33.* PRODUCTION 5464-72'-30,000# sd, 30,000 gals wtr, "ADO-MITE AQUA"							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing, shut-in)
2/16/67		Pumping - 2 1/2" X 1 3/4" X 20' Insert					Producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3/12/67	24			50	80	5 BW	1600:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			50	80	5 BW	39°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - El Paso Natural Gas Company							TEST WITNESSED BY R. D. Potter
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
Original Signed By:							
SIGNED H. D. HALEY		TITLE District Manager			DATE 3-22-67		

*(See Instructions and Spaces for Additional Data on Reverse Side)

USGS-Dgo(2) UO6GCC(2) Tenneco Underwood DRB RJH NDH

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Desert Creek	5464	5472	After stimulation, produced 50 MOPD, 80 MCF gas, 5 bbls. load water, pumping.
(This was redrill of old well.)			No other zones were cored or tested)

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Coconino	2640'		
Hermosa	4430'		
Johnson Creek	5192'		
Isaway J-1	5323'		
Desert Creek	5384'		

MAR 24 1967

FORM OGCC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Underwood Bluff No. 1
Operator Continental Oil Company Address P. O. Box 1621 Phone 247-2580
Durango, Colorado
Contractor Barker Well Service Address Vernal, Utah Phone _____
Location SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33 T. 39 N R. 23 E San Juan County, Utah.
S W

Water Sands:

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>	
	From	To	Flow Rate or Head	Fresh or Salty
1.	2090'	2100'	Mud wt. reduced slightly.	Unknown
2.	2475'	2490'	Slight gain in mud volume.	Unknown
3.	2980'	3000'	Slight gain in mud volume.	Unknown
4.				
5.				

(Continued on reverse side if necessary)

Formation Tops: Coconine 2640 Desert Creek 5384
 Hermosa 4430
 Johnson Crk. 5192
 Ismay J-1 5323

Remarks:

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIORSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.GEOLOGICAL SURVEY **Conoco Les #161856**

5. LEASE DESIGNATION AND SERIAL NO.

SL-067710-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bluff

8. FARM OR LEASE NAME

Underwood Bluff

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Desert Creek11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA**Sec. 33, T39S, R23E-S1M**

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☒ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1621, Durango, Colorado4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface**2080' FWL, 1630' FWL**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4704' GR 4714' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) **Completion**(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Re-spudded 1/28/67. T.D. 5518', PBTD 5496'. Drilled and cleaned out old cement plugs at surface, 1428-78', Hermosa plug 4438-4538', Desert Creek plug at 5430-5518'. Ran logs to check T.D. at 5518'-OKAY. Ran 5 1/2" casing to 5518' RB and cemented with 300 sacks cement. Displaced plug with 100 gals. Acetic Acid followed by 75 bbls. salt water. Tested casing to 1200# - held OK. Perforated 5464-72'. Set packer at 5444'. Treated with 1000 gals. 15% HCL with 40 gals. "ADOMALL" additive and 30 gals. Morflo. Acidized with 10,000 gals. 15% HCL; dropped total 15 balls with no action. Flushed with 10,000 gals. water with 10 gals. "ADOMALL" additive. Fraced with 30,000# sand and 30,000 gals. gelled water with "ADOMITE AQUA" additive. Landed 2 7/8" tubing at 5444'. Tested well 3/12/67. Pumped 50 BOPD, 80 MCFD gas and 5 BWPD on 24 hour test from Desert Creek perfs 5464-72', gravity 39° API. Gas purchaser: EPNG. Oil transporter: Rock Island Oil and Refining.

18. I hereby certify that the foregoing is true and correct.

Original Signed By:

SIGNED

H. D. HALEY

TITLE

District Manager

DATE

3-22-67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS-Dgo(3) UO&GCC(2) Tenneco Underwood DRB RJX NDH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Conoco Lease #161856

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SL-067710-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bluff

8. FARM OR LEASE NAME

Underwood Bluff

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Desert Creek

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 33, T39S, R23E - S1M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1621, Durango, Colorado 81301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2080' FNL, 1630' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4704' GR

4714' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☒
☐
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐
☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was completed 3/12/67 for a pumping potential of 50 BOPD and 80 MCFD gas from perforations 5464-5472' in Zone III of the Desert Creek. Cumulative production to 4/1/67 is 1410 BO, no water. Currently the well produces 17 BOPD.

It is proposed to perforate, acidize and test Zone II of the Desert Creek, 5438-5446', to increase production from the well.

18. I hereby certify that the foregoing is true and correct

Original Signed By:

SIGNED

H. D. HALEY

TITLE

District Manager

DATE

4-26-67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN **COMPLICATE***
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

Connec Lea #161836

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Bluff	
2. NAME OF OPERATOR Continental Oil Company		8. FARM OR LEASE NAME Underwood Bluff	
3. ADDRESS OF OPERATOR P. O. Box 1621, Durango, Colorado 81301		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2080' FWL, 1630' FWL		10. FIELD AND POOL, OR WILDCAT Desert Creek	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4704' GR 4714' RB	
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 33-T39S-R23E, S1M	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) **Completion Report**

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was drilled in 1961 to TD 3318' by Rip Underwood on a farmout from Shell and Dalhi-Taylor (subsequently Continental-Tenneco). Well was P&A in August, 1961.

Commenced re-entry 1-23-67. Drilled out old cement plugs to 3318'. Set 3-1/2" casing at 3318' with 300 sacks cement. Perforated Paradox Desert Creek 3464'-3472'. Acidized with 1000 gal 15% HCl. Re-acidized with 10,000 gal HCl. Fraced with 30,000# sand and 30,000 gal gelled water. Tested 3-12-67. Pumped 24 hrs. Gauged 30 BOPD, 80 MCF gas, gravity 39° API.

On 4-23-67 perforated Desert Creek Zone II 3438'-3446'. Set bridge plug at 3450'. Acidized with 1000 gal 15% HCl and 5000 gal 15% retarded HCl. Tested 5-8-67. Pumped 30 BOPD, no water, from Zone II. Gravity 39° API. Gas purchaser; El Paso Natural. Oil transporter; Rock Island Oil & Refining.

18. I hereby certify that the foregoing is true and correct

SIGNED

H. D. HALEY

TITLE

District Manager

DATE

6-12-67

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

USGS-Dgo(3) US4000(7) RJE HRE TOG Underwood HDM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

Conoco Les #161836

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SL-067710-C
2. NAME OF OPERATOR Continental Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1621, Durango, Colorado		7. UNIT AGREEMENT NAME Bluff
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2080' FWL 1630' FWL		8. FARM OR LEASE NAME Underwood Bluff
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4704' GR 4714' KB		10. FIELD AND POOL, OR WILDCAT Desert Creek
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33-T39S-R23E, SW
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Well was completed 3-12-67 for a pumping potential of 30 MCFD & 60 MCFD gas from perforations 3464'-3472' in Zone III of the Desert Creek. Cumulative production to 4-1-67 is 1,410 MB, no water. Currently the well produces 17 MCFD.

It is proposed to perforate, acidize and test Zone II of the Desert Creek, 3438-3446', to increase production from the well.

18. I hereby certify that the foregoing is true and correct

Original Signed By:

SIGNED H. D. HALEYTITLE District ManagerDATE 6-13-67

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN **REPLICATE***
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SL-067710-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bluff

8. FARM OR LEASE NAME

Underwood Bluff

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Desert Creek

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 33, T39S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☒ WELL GAS ☐ WELL OTHER ☐

2. NAME OF OPERATOR

Continental Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1621, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2080' FWL, 1630' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4704' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☒

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Desert Creek Zone II, 3438'-3446', was perforated and acidized with 1000 gal. 15% HCl and 5000 gal. retarded HCl.

On 3-8-67 well pumped 30 MG, no water in 24 hours, gravity 39° API. Oil transporter; Rock Island Oil & Refining.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Division Manager

DATE

10-3-67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS-Dgo(3) W06GCE(2) TOC Underwood DRB RJL NDE

|||
= dp =
|||

dugan production corp.

January 4, 1979

Cleon D. Feight, Director
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

RE: Bluff Unit
San Juan County, Utah

Underwood Bluff Un. #1

Dear Mr. Feight:

Effective October 1, 1978 Dugan Production Corp. succeeded to the interests of the Continental Oil Company in the captioned unit.

Enclosed is a list of the wells and their locations for which Dugan Production Corp. is now the Operator.

Please advise if you need further information or assistance.

Sincerely,

Richard Tully

Richard Tully
RT/sak

Enclosure

cc: Alton J. Carroll
Continental Oil Company
Box 2197
Houston, TX 77001



BLUFF UNIT
SAN JUAN COUNTY, UTAH

Dugan Production Corp.-Operator

<u>Name of Well</u>	<u>Location</u>
Bluff Unit #8	<u>T-39-5, R-23-E</u> Section 29: SW/4 NE/4
Bluff Unit #12	<u>T-39-5, R-23-E</u> Section 30: SW/4 NE/4
<u>Underwood Bluff Unit #1</u>	<u>T-39-5, R-23-E</u> Section 33: SE/4 NW/4
Hermosa Penn A #1	<u>T-39-5, R-23-E</u> Section 32: NW/4 NW/4
Hermosa Penn A #9	<u>T-39-5, R-23-E</u> Section 30: SW/4 SE/4
Bluff State #2	<u>T-39-5, R-23-E</u> Section 32: SE/4 NW/4
Bluff Unit #10	<u>T-39-5, R-23-E</u> Section 30: SW/4 NE/4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR

DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR

P O Box 208, Farmington, NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2080' FNL & 1630' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Request approval for disposal of produced water in unlined pit.

(NOTE: Report results of multiple completion or change on Form 9-330.)

RECEIVED

AUG 23 1984

DIVISION OF OIL
& GAS MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Approval is requested for the utilization of an unlined pit to dispose of approximately $\frac{1}{2}$ BWPD produced in conjunction with 4.7 BOPD + 6.6 MCFD (average 4/84 - 6/84) from the Desert Creek formation in Dugan Production's Underwood-Bluff No. 1. The subject well was completed on 3/12/67 by Continental Oil Co. with an IPP of 50 BOPD + 80 MCFD + 5 bbl. load water per day from Desert Creek perfs 5464-72'. An additional Desert Creek zone, 5438-56', was then perforated, stimulated and on 5/8/67 a production test of 50 BOPD and no water was reported. Continental made application to the USGS on 11/13/67, submitting that as a result of the isolated nature of the well and the associated high economic limit, the Underwood-Bluff was not capable of producing in paying quantities. Dugan Production assumed operations of this well on 10/1/78 and has maintained operations at the Underwood No. 1, even though as a result of the rough surface

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Jim L. Jacobs

TITLE Geologist

DATE

8-21-84

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

topography, it is very remote with respect to the other Bluff Unit wells. It was our understanding that the use of the existing pit for disposal of a very minor amount of produced water had been approved by the USGS as evidenced by our filing the annual reports required by NTL-2B, for the Underwood-Bluff No. 1 beginning with production in 1979. The most recent report (1983) reflected no water pitted and currently the well is producing volumes too small to measure, but estimated between $\frac{1}{4}$ and $\frac{1}{2}$ BWPD. The pit constructed for lease use at the tank battery is approximately 30' x 40' x 4' and is located approximately 1300' from the well since the surface topography at the well site will not accomodate the tank battery and the pit. With reference to the attached copy from the 15 minute topographic map of the Montezuma Creek Quadrangle, it can be seen that the pit is located as close to the well as feasible, considering the terrain. The estimated annual evaporation rate compensated for rainfall is 41 inches and the estimated percolation rate of the sandy soil is 8.2 ft. per day.

In view of the small volumes of water and the fact that the surface topography prohibits other alternatives, it is requested that the use of an unlined pit for disposal of approximately $\frac{1}{4}$ to $\frac{1}{2}$ BWPD be authorized.

Scott M. Matheson
Governor



James O. Mason, M.D., Dr.P.H.
Executive Director
Department of Health
801-533-6111

Kenneth L. Alkema
Director

Division of Environmental Health
801-533-6121

MEMBERS

Grant K. Borg, Chairman
W. Lynn Cottrell
Harold B. Lamb
Kenneth L. Alkema
Franklin N. Davis
Don P. Bateman
Robert L. Lethman
C. Arthur Zeldin
Mrs. Lloyd G. Bliss

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

43-037-11079

January 14, 1985

Dugan Production Corp.
P. O. Box 208
Farmington, NM 87499

ATTENTION: Jim L. Jacobs

Gentlemen:

We acknowledge receipt of your Sundry Notice received October 12, 1984 notifying us of the location of the ponds for the wells described below and sources of produced water in accordance with Part VI, Utah Wastewater Disposal Regulations, Section 6.5.1.b. The regulations require that the disposal ponds...."shall be constructed such that no surface discharge or significant migration to subsurface will result."

As time and weather allows, a brief inspection of these ponds will be made by members of our staff during this next month. The well is:

Well Number	Location			Average Quantity(BWPD)
	Section	Township	Range	Produced Water
Paradox #1	33	39S	23E	.5

If you have any questions regarding this matter, please contact us.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE

Calvin K. Sudweeks
Calvin K. Sudweeks
Executive Secretary

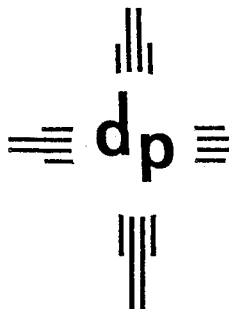
BLN:pa

cc: Division of Oil, Gas and Mining
Southeastern District Health Dept. - Wayne Ball
BLM/Oil and Gas Operation - Moab District
272-5

Calvin K. Sudweeks
Executive Secretary
Rm 410 (801) 533-6146

JAN 16 1985

DIVISION OF
OIL, GAS & MINING



dugan production corp.

RECEIVED

FEB 27 1992

DIVISION OF OIL, GAS & MINING

February 24, 1992

Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 87180-1203

Attn: Lisha Romero

RE: Assignment of Wells and Leases
Bluff Unit
T39 & 40S- R22 & 23E
San Juan County, Utah

Dear Ms. Romero:

Pursuant to your phone call of February 21, 1992, this is to advise that Dugan Production Corp. (DPC) sold all of its interest in the wells and leases within the captioned unit in accordance with the enclosed assignment.

The wells DPC operated within said unit consisted of the following:

Hermosa Penn "A" Participating Area

43-037-20236	Bluff Unit - State Well No. 1	NW NW 32, T39S, R23E
43-037-15327	Bluff Unit - Well No. 9	SW SE 30, T39S, R23E
43-037-30523	Bluff Unit - Well No. 14 (Tenneco)	NE SE 30, T39S, R23E

Wells outside P. A. - Operated on Lease Basis

43-037-11079	Bluff Unit - Underwood Well #1	SE NW 33, T39S, R23E
43-037-20989	Bluff Unit - Well No. 16	SW SE 29, T39S, R23E
43-037-15328	Bluff Unit Well No. 10*	SW SW 30, T39S, R23E
43-037-16538	BLUFF STATE #2	SE NW 32, T39S, R23E

*Not currently capable of producing

Division of Oil, Gas and Mining
Page 2
February 24, 1992

Additional wells within the Unit operated by Sterling Energy Corporation:

Hermosa Penn Participating Area (Hickman Bluff)

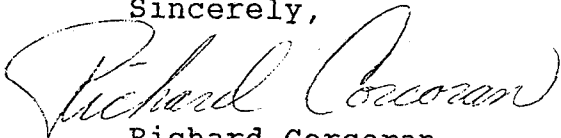
43-037-15864	Bluff Unit Well No. 3	NW NW 4, T40S, R23E
43-037-15865	Bluff Unit Well No. 24-5	SE SW 5, T40S, R23E
43-037-15867	Bluff Unit Well No. 44-5	SE SE 5, T40S, R23E
43-037-30726	Bluff Unit Well No. 13-4	NW SW 4, T40S, R23E
43-037-20866	Bluff Unit Well No. 42-5	SE NE 5, T40S, R23E

DPC submitted a Change in Unit Operator Agreement to the BLM (copy attached) which has not been approved, as the working interest owners have not elected a successor operator yet. Sterling Energy Corporation had been designated the operator for the Hermosa Penn Participating Area wells under an agreement previously approved by the BLM and Sunfield Energy Company is acting as a Sub-Operator for the remaining wells within the Unit until a Successor Operator is formally approved.

As soon as a Successor Operator has been approved, that operator will submit the necessary sundries.

Thank you for your cooperation with this matter and if there should be any questions, please contact me.

Sincerely,



Richard Corcoran
Land Manager

RC/mm

Enclosures

FEB 27 1992

BILL OF SALE AND ASSIGNMENT:
CONVEYANCE OF OIL, GAS AND MINERAL INTERESTS
("Bill of Sale and Assignment")

STATE OF UTAH
COUNTY OF SAN JUAN

§
§
§

KNOWN ALL MEN BY THESE PRESENTS:

- A. That Dugan Production Corp., (a/k/a Dugan Production Corporation) a New Mexico corporation, ("Assignor") whose business address is 709 East Murray Drive, P.O. Box 420, Farmington, New Mexico 87499-0420, for and in consideration of the sum of TEN AND NO/100 (\$10.00) DOLLARS in hand paid and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has GRANTED, BARGAINED, SOLD, CONVEYED, ASSIGNED, TRANSFERRED, SET OVER and DELIVERED, and by these presents does GRANT, BARGAIN, SELL, CONVEY, ASSIGN, TRANSFER, SET OVER and DELIVER effective as of September 1, 1991, unto Sunfield Energy Company, a Nevada corporation ("Assignee"), whose address is 112 East Pecan St., Suite 800, San Antonio, Texas 78205, the following:
1. All of Assignor's rights, titles and interests in, to and under the Bluff Federal Unit in Utah (the "Unit", which is drawn on the map attached hereto and incorporated herein by reference as Exhibit A) and all oil, gas and/or mineral leases comprising or forming part of same, as more particularly described on Exhibit B attached hereto and incorporated herein by reference (the "Leases"). This conveyance includes, without limitation, all of Assignor's rights, titles and interests in, to and under all gas, oil, petroleum, other hydrocarbons and other minerals produced from the Unit and/or the Leases (together with the proceeds therefrom) and all wells located thereon, as well as all working, net revenue, royalty, and overriding royalty interests owned by Assignor (Assignor's share of such Unit, Leases, minerals, wells and interests collectively is referred to as the "Mineral Interests").
 2. All of Assignor's rights, titles and interests in and to all equipment, casing and improvements on the Unit and/or the Leases, including without limitation the following:
 - (i) All buildings, roads, fences, gas plants, and other improvements located thereon;
 - (ii) All other rights, titles and interests of Assignor of whatever kind or character (whether now owned or hereafter acquired by operation of law or otherwise), if any, in and to the lands, rights and interests described in Exhibit A and/or Exhibit B, even though such interests of Assignor may be incorrectly described in or omitted from such Exhibits, but only to the extent that such encompasses, covers or affects the Unit and/or the Leases;
 3. All of Assignor's interest, if any, in and rights under (including, but not limited to, rights to operate) all operating agreements, gas purchase contracts, residue gas sales contracts, oil sales contracts, letter agreements, gas products sales contracts, exchange and/or processing agreements, transportation agreements, easements, servitudes, rights-of-way, surface leases, other surface

rights agreements and other real estate interests and any other contracts and/or agreements which cover, affect or otherwise relate to the Unit and/or the Leases, as well as any renewals, extensions or amendments thereof or thereto, but only to the extent: 1) that such encompass, affect or cover the Unit and/or the Leases or the Mineral Interests; or 2) that such relate to or affect the exploration, drilling or operating of the Unit and/or the Leases or the Mineral Interests, or the treating, handling, storing, transporting or marketing of oil, gas or other minerals produced from (or allocated to) such Unit and/or Leases (all of such rights and agreements collectively the "Contract Rights");

4. All of Assignor's rights, titles and interests, if any, in and to all equipment (whether downhole or surface), machinery, appliances, materials, supplies, pumping units, pump jacks, tubing wellheads, pump tees, electric motors, electric boxes and lines, fittings, valves, pipelines, flow lines, gathering lines, buildings, casing, injection facilities, salt water disposal facilities, and all other personal property or fixtures used or held for use in or located on or otherwise used in connection with the exploration, drilling, handling, producing or marketing of oil and gas from, on, or through the Unit and/or the Mineral Interests or the Contract Rights (the "Equipment"), except that Dugan is not transferring that certain horizontal duplex gaso power pump, 2-1/2" - 5" x 10", serial no. 21306 with its gas Ajax 8-1/2" x 10" Model CMA horizontal single cylinder engine, serial no. 58625;
 5. All of Assignor's rights, titles and interests in the contents of all tanks, barrels, pipelines and other similar containers or receptacles located on the Unit and/or the Leases or used in conjunction with mineral production from the Unit and/or the Leases, including, without limitation, all oil, gas, casinghead gas, drip gasoline, natural gasoline, condensate, and other liquid or gaseous hydrocarbons produced from the Unit and/or the Leases or purchased by or for the benefit of Assignor subsequent to the Effective Date as hereafter defined (the "Residue").
 6. All of Assignor's rights, titles and interests in and to the Aneth Gas Plant located in Aneth, Utah, operated by Texaco, and to all associated pipelines, real property interests, fixtures, equipment, and personal property, including, but not limited to, easements and rights-of-way (all of the foregoing collectively, the "Aneth Gas Plant Interests").
 7. Copies of and co-ownership rights in all of Assignor's logs, DST's, other test results and raw geological and geophysical data (but in no event any of Dugan's interpretations of such data) related to the Mineral Interests, the Leases and/or the Unit (the "Data");
 8. Copies or originals of all contracts, agreements, run tickets, and other materials and files in Dugan's possession relating to the Mineral Interests, the Leases and/or the Unit.
- B. Assignor agrees to execute, acknowledge and deliver to Assignee all such other additional instruments, notices, division orders, transfer orders, letters in lieu of transfer orders and other documents, and to do all such other and further acts and things as may be necessary, to more fully and effectively grant, convey and assign the interests conveyed hereby to Assignee. Assignee shall not attempt to use this

Paragraph B to subsequently cause Assignor to convey interests not intended to be purchased by Assignee pursuant to this Bill of Sale and Assignment or the Agreement to Purchase and Sell between Assignor and Assignee dated September 16, 1991.

- C. This Bill of Sale and Assignment shall bind and inure to the benefit of Assignor and Assignee and their respective successors and assigns to the fullest applicable extent.
- D. The rights assigned to Assignee hereunder are subject to the terms of the Leases and all contracts, assignments, rights-of-way, encumbrances, agreements, and other lease burdens of record which affect the interests in the Mineral Interests and Leases assigned herein; provided, however, that this Paragraph D. shall not reduce or impair the enforceability and validity of Assignor's representations and warranties about the Leases, the Mineral Interests, and such contracts, assignments, rights-of-way, and other matters contained in the Agreement to Purchase and Sell between Assignor and Assignee dated September 16, 1991.
- E. Assignee, in consideration of the Mineral Interests and other interests herein conveyed, by acceptance hereof, agrees to be responsible for and perform, at the sole expense of Assignee, all of the liabilities, obligations, and covenants of Assignor arising from or contained in the Leases and any and all other agreements hereby assigned or from operations thereunder, to the extent accruing after the date hereof; to plug and abandon any and all wells heretofore or hereafter drilled on the mineral interests with respect to which said Leases are assigned in accordance with all applicable laws, rules, and regulations; and to hold Assignor, its successors and assigns, harmless of and from any and all claims, demands, loss, cost, risk, or expense of whatsoever kind, including reasonable attorney's fees, resulting from (i) the performance of or failure to perform the plugging and abandonment obligations and covenants aforesaid, or (ii) any and all further operations by Assignee after the date hereof on or under the Leases so assigned or in the Mineral Interests, including but not limited to (to the extent on or after the date hereof) operations for or in connection with the production of oil and gas, the transportation, containment, or disposal of salt water or other deleterious substance across, thereon, therein, or therefrom, the abandonment or plugging of any well or wells thereon or the repair or removal of any material or equipment therefrom, from and after the effective date hereof.

THIS BILL OF SALE AND ASSIGNMENT IS MADE WITHOUT WARRANTY OF TITLE EXPRESS OR IMPLIED, AND THE CONVEYANCE OF WELLS, PERSONAL PROPERTY, AND EQUIPMENT MADE HEREIN IS MADE "AS IS, WHERE IS", WITHOUT WARRANTY AS TO KIND, QUANTITY OR CONDITIONS (EXCEPT FOR THE REPRESENTATIONS AND WARRANTIES CONTAINED IN THE AGREEMENT TO PURCHASE AND SELL BETWEEN ASSIGNOR AND ASSIGNEE DATED SEPTEMBER 16, 1991). ASSIGNOR MAKES NO WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PERSONAL PROPERTY AND FIXTURES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE (EXCEPT FOR THE REPRESENTATIONS AND WARRANTIES CONTAINED IN THE AGREEMENT TO PURCHASE AND SELL BETWEEN ASSIGNOR AND ASSIGNEE DATED SEPTEMBER 16, 1991).

TO HAVE AND TO HOLD THE MINERAL INTERESTS, THE EQUIPMENT, THE CONTRACT RIGHTS, THE RESIDUE, THE ANETH GAS PLANT INTERESTS, THE DATA, AND ALL OTHER PROPERTY ASSIGNED HEREIN, FOREVER.

This Bill of Sale and Assignment instrument is executed on October 17, 1991, but effective as of September 1, 1991 (the "Effective Date").


Sherman E. Dugan
Sherman E. Dugan, Asst. Sec.

ASSIGNOR:
DUGAN PRODUCTION CORP. (a/k/a DUGAN
PRODUCTION CORPORATION)

BY: Thomas A. Dugan
Thomas A. Dugan
President

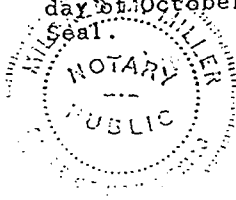
ASSIGNEE:
SUNFIELD ENERGY COMPANY

BY: Daniel P. Neelon
Daniel P. Neelon
Executive Vice President

STATE OF NEW MEXICO §
COUNTY OF SAN JUAN §

BEFORE ME, the undersigned authority, personally appeared THOMAS A. DUGAN, President of DUGAN PRODUCTION CORP., a New Mexico corporation, known to me to be the person and officer whose name is subscribed to the foregoing instrument, who acknowledged to me that he executed the same for the purposes and consideration therein expressed, in the capacity therein stated, and as the fully authorized, official act and deed of said DUGAN PRODUCTION CORP.

ACKNOWLEDGED, SUBSCRIBED AND SWORN to before me on this 17th day of October, 1991, to certify which witness my hand and official Seal.

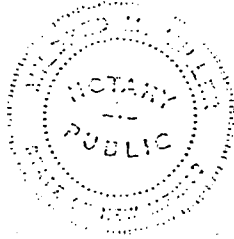


Mildred M. Miller
Notary Public, State of New Mexico
Printed Name: MILDRED M. MILLER
Commission Expires: 1-30-93

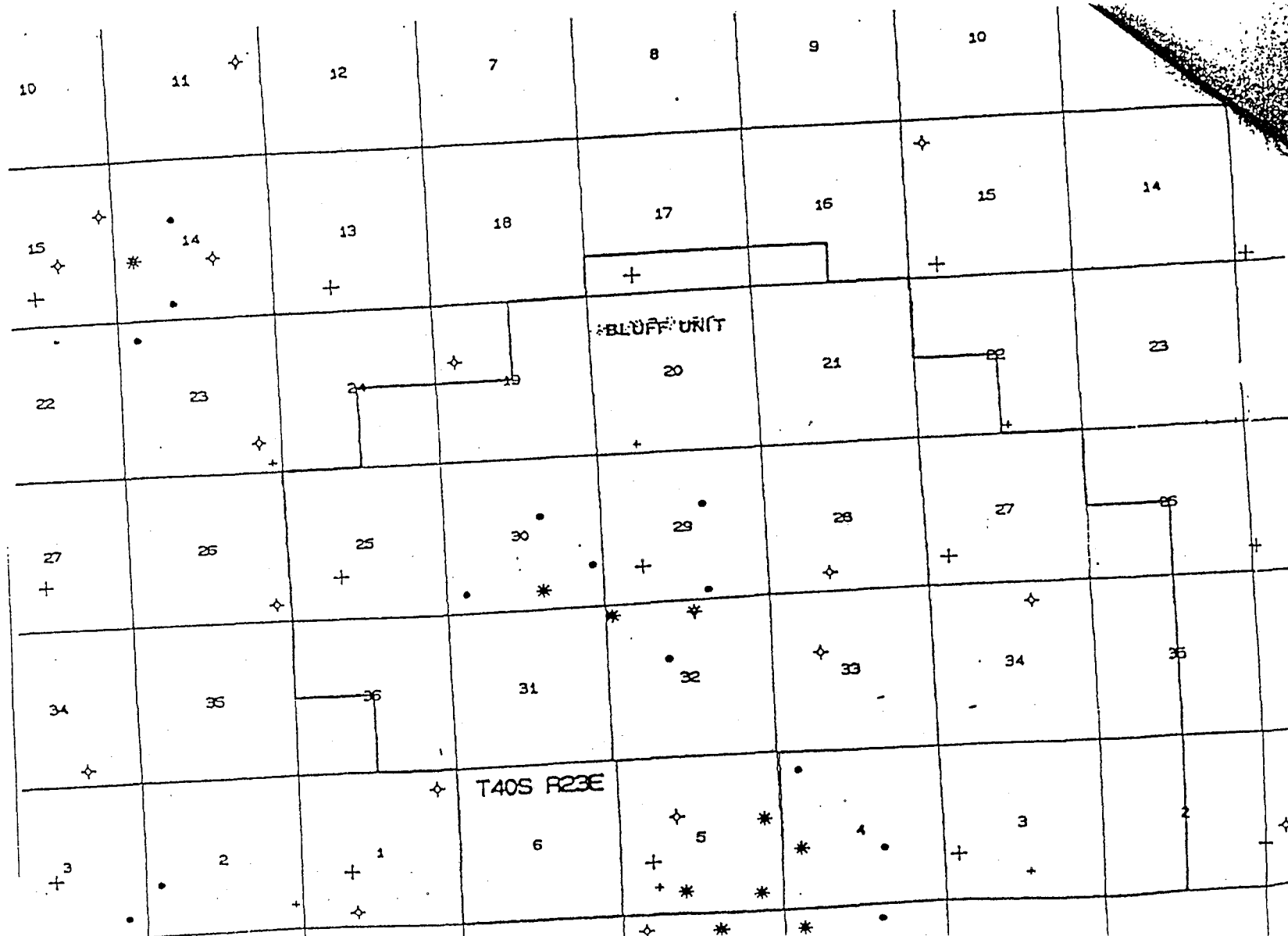
STATE OF NEW MEXICO §
COUNTY OF SAN JUAN §

BEFORE ME, the undersigned authority, personally appeared Daniel P. Neelon, Executive Vice President of SUNFIELD ENERGY COMPANY, a Nevada corporation, known to me to be the person and officer whose name is subscribed to the foregoing instrument, who acknowledged to me that he executed the same for the purposes and consideration therein expressed, in the capacity therein stated, and as the fully authorized, official act and deed of said SUNFIELD ENERGY COMPANY.

ACKNOWLEDGED, SUBSCRIBED AND SWORN to before me on this 17th day of October, 1991, to certify which witness my hand and official Seal.



Mildred M. Miller
Notary Public, State of New Mexico
Printed Name: MILDRED M. MILLER
Commission Expires: 1-30-93



Bluff Federal Unit
San Juan County, Utah

LEASE NUMBER	DESCRIPTION	ACRES *
SL-067706-A	Township 39 South, Range 23 East Sec. 22: SW/4 Sec. 26: SW/4 Sec. 27: All	960.00
ML-4858	Township 39 South, Range 23 East Sec. 16: S/2 SW/4	80.00
SL-067699-A	Township 39 South, Range 23 East Sec. 17: S/2 SE/4	80.00
SL-067700-A	Township 39 South, Range 23 East Sec. 17: S/2 SW/4 Sec. 19: Lots 3, 4, E/2 SW/4, E/2 Sec. 20: All Sec. 21: N/2, SW/4	1676.13
SL-067691-A	Township 39 South, Range 22 East Sec. 24: SE/4	160.00
SL-067692-A	Township 39 South, Range 22 East Sec. 26: S/2, NW/4, S/2 NE/4, NW/4 NE/4	600.00
ML-2004	Township 39 South, Range 22 East Sec. 25: NE/4 NE/4	40.00
SL-067701	Township 39 South, Range 23 East Sec. 21: SE/4 Sec. 28: All Sec. 29: All Sec. 30: All Sec. 31: N/2, SW/4	2547.48
ML-4857	Township 39 South, Range 22 East Sec. 36: N/2, SE/4	480.00
SL-067710-A	Township 39 South, Range 23 East Sec. 31: SE/4 Sec. 33: E/2, W/2 NW/4, SW/4 Sec. 34: All Sec. 35: W/2	1680.00

*More or Less

*More or Less

LEASE NUMBER	DESCRIPTION	ACRES *
SL-067710-C	Township 39 South, Range 23 East Sec. 33: E/2 NW/4	80.00
ML-2008	Township 39 South, Range 23 East Sec. 32: SE/4 SE/4 SE/4	10.00
ML-2008-A	Township 39 South, Range 23 East Sec. 32: N/2, SW/4, W/2 SE/4, NE/4 SE/4, N/2 SE/4 SE/4, SW/4 SE/4 SE/4	630.00
SL-071404-A	Township 40 South, Range 23 East Sec. 6: All	636.44
SL-071403-A	Township 40 South, Range 23 East Sec. 3: All Sec. 4: All Sec. 5: All	1920.00
ML-2780	Township 40 South, Range 23 East Sec. 2: W/2	320.00
	TOTAL	11900.05

*More or Less

CHANGE IN UNIT OPERATOR

Bluff Unit Area
County Of San Juan
State of Utah
No. 782

This indenture, dated as of the 14th day of October, 1991, by and between Dugan Production Corp., hereinafter designated as "First Party", and Sunfield Energy Company, hereinafter designated as "Second Party".

WITNESSETH:

Whereas under the provisions of the Act of February 25, 1920, 41 Stat. 437 30 U.S.C. secs. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 17th day of May, 1951, approved a Unit Agreement for the Bluff Unit Area, wherein the First Party is designated as Unit Operator; and

Whereas the First Party desires to transfer, assign, release, and quitclaim, and the Second Party desires to assume all the rights, duties and obligations of Unit Operator under the Unit Agreement; and

Whereas for sufficient and valuable consideration, the receipt whereof is hereby acknowledged, the First Party has transferred, conveyed, and assigned all its rights under certain operating agreements involving lands within the area set forth in said unit agreement unto the Second Party;

Now, therefore, in consideration of the premises hereinabove set forth, the First Party does hereby transfer, assign, release, and quitclaim unto Second Party all of First Party's rights, duties, and obligations as Unit Operator under said unit agreement; and

Second Party hereby accepts this assignment and hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to all the terms of said unit agreement to the full extent set forth in this assignment, effective upon approval of this indenture by the Chief, Branch of Fluid Minerals, Bureau of Land Management, Robert A. Henricks; said Unit Agreement being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

In witness whereof, the parties hereto have executed this instrument as of the date hereinabove set forth.

WITNESS my hand and seal

this 17th of October, 1991.

Melvin D. Miller
Notary Public

My commission expires
1-30-93

First Party:

DUGAN PRODUCTION CORP.

By: Thomas A. Dugan

Title: President

Second Party:

SUNFIELD ENERGY COMPANY

By: Samuel P. Neelon

Title: Executive Vice President

WITNESS my hand and seal

this 17th day of October, 1991.

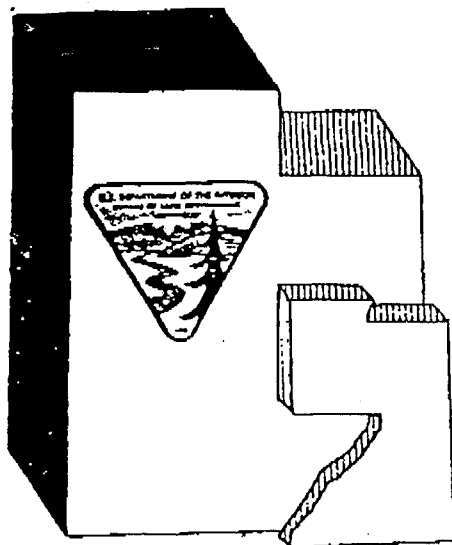
Melvin D. Miller
Notary Public

My commission expires
1-30-93

I hereby approve the foregoing indenture designating
Sunfield Energy Company as Unit Operator under the
Unit Agreement for the Bluff Unit Area, this
_____ day of _____, 1991.

Authorized officer of the Bureau of Land Management:

Robert A. Henricks
Chief, Branch of Fluid Minerals



FAX TRANSMITTAL
MOAB DISTRICT OFFICE

TO: 1. Lisa

FROM: Where

SUBJECT: Change of Operator

NUMBER OF PAGES: 3
(Including Cover Sheet)

DATE: 8/26/93

TIME: 4:43

FAX MACHINE NO.: _____

COMMENTS:

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____

☐ Suspense
(Return Date) _____
(To - Initials) _____

☒ Other
OPERATOR CHANGE

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

1. Date of Phone Call: 8-24-92 Time: 11:00

2. DOGM Employee (name) L. ROMERO (Initiated Call ☒)
Talked to:

Name JOHN (Initiated Call ☐) - Phone No. (510) 933-5464
of (Company/Organization) N1760-SUNFIELD ENERGY COMPANY

3. Topic of Conversation: OPERATOR CHANGE FROM DUGAN PRODUCTION CORP. TO
SUNFIELD ENERGY COMPANY.

4. Highlights of Conversation: _____
BLM/SL APPROVED BLUFF UNIT "HRMS A P.A." FROM DUGAN TO SUNFIELD 8-11-92.
(43-037-20236, 43-037-15327 & 43-037-30533)
BLM/MOAB DOES NOT HAVE ANY REQUESTS FOR OPERATOR CHANGE FOR 43-037-11079,
43-037-30989 & 43-037-15328 (WELLS ON LEASE BASIS), REFERRED HIM TO THE BLM/MOAB.
REQUESTED DOC FOR STATE LEASE WELL 43-037-16538 & 43-037-20236 & REFERRED HIM
TO STATE LANDS.
CONFIRMED ADDRESS & CONTACT PERSON IN REGARD TO PRODUCTION & DISP. REPORTS.

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Sunfield Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, New Mexico 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Please See Below:

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other Designation of Operator
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE BE ADVISED THAT SUNFIELD ENERGY COMPANY HAS ASSUMED OPERATING RIGHTS FOR THE BLUFF UNIT #892000782A FROM DUGAN PRODUCTION CORP., EFFECTIVE IMMEDIATELY. THE WELLS ARE REFERENCED BELOW FOR YOUR REFERENCE:

PA'd 8/85-Bluff Unit #8 29-39S-23E SL 067701-43-037-15326 eff. 9/91
Bluff Unit #9 30-39S-23E Unit Well
Bluff Unit #10 30-39S-23E SL 067701-43-037-15328
PA'd 10/87-Bluff Unit #12 30-39S-23E SL 067701-43-037-20046
Bluff Unit #14 30-39S-23E Unit Well
Bluff Unit #16 29-39S-23E SL 067701-43-037-30989
*Underwood Bluff Unit #1 33-39S-23E - 43-037-11079
*SL 067710C

SUNFIELD ENERGY COMPANY CURRENTLY OPERATES UNDER STATEWIDE BLM FEDERAL BOND #B03571

RECEIVED
MOAB DISTRICT OFFICE
93 AUG 11 AM 7:49
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Signed [Signature]
(This space for Federal or State office use)

Title Landman

Date 7/16/93

Approved by [Signature]
Conditions of Approval, if any:

Title Associate District Manager

Date 8/18/93

CONDITIONS OF APPROVAL ATTACHED

Title 48 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Sunfield Energy Company
Various Wells
T. 39 S., R. 23 E.
San Juan County, Utah
Lease SL-067701 & SL-067710C

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Sunfield Energy Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0922 (Principal - Sunfield Energy Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- DK	7- DK
2-DTS	
3-VLC	
4-RJF	
5-PL	
6-SJ	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-01-91)

TO (new operator) <u>SUNFIELD ENERGY COMPANY</u>	FROM (former operator) <u>DUGAN PRODUCTION CORP.</u>
(address) <u>3315 BLOOMFIELD HWY</u>	(address) <u>709 E MURRAY DRIVE</u>
<u>FARMINGTON, NM 87401</u>	<u>PO BOX 420</u>
	<u>FARMINGTON, NM 87499-0420</u>
phone (<u>505</u>) <u>326-5525</u>	phone (<u>505</u>) <u>325-1821</u>
account no. <u>N 1760</u>	account no. <u>N 2140</u>

Well(s) (attach additional page if needed):

Name: <u>UNDERWOOD BLUFF #1/DSCR</u>	API: <u>43-037-11079</u>	Entity: <u>630</u>	Sec <u>33</u> Twp <u>39S</u> Rng <u>23E</u>	Lease Type: <u>SL067710C</u>
Name: <u>BLUFF 16/DSCR</u>	API: <u>43-037-30989</u>	Entity: <u>632</u>	Sec <u>29</u> Twp <u>39S</u> Rng <u>23E</u>	Lease Type: <u>SL067701</u>
Name: <u>BLUFF 10/DSCR</u>	API: <u>43-037-15328</u>	Entity: <u>627</u>	Sec <u>30</u> Twp <u>39S</u> Rng <u>23E</u>	Lease Type: <u>SL067701</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-27-92)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). ** see Bill of Sale and Assignment (Rec'd 8-26-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(8-30-93)*
- See 6. Cardex file has been updated for each well listed above. *(8-30-93)*
- See 7. Well file labels have been updated for each well listed above. *(8-30-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(8-30-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 1 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 1 2. A copy of this form has been placed in the new and former operators' bond files.
- 1 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 1 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILED

- 1 1. All attachments to this form have been microfilmed. Date: 9.70 1993.

FILED

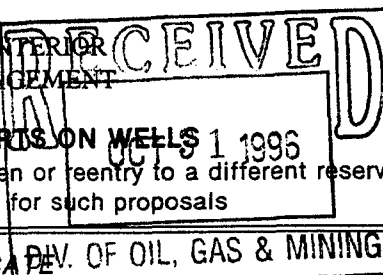
- 1 1. Copies of all attachments to this form have been filed in each well file.
- 1 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

** other wells handled on separate change.*

- 920302 Btm/Mcab No documentation. (Referred operator "Sunfield" to the Btm)
- 920821 Btm/Mcab " "
- 921215 Btm/Mcab " "
- 930830 Btm/Mcab Approved 8-18-93 eff. 9/91. (Bill of Sale eff. date 9-1-91)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SUNFIELD ENERGY COMPANY

3. Address and Telephone No.

P. O. Box 612007, Dallas, TX 75261-2007 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/SW Section 33-T39S-R23E (2080' FNL & 1630' FWL)

5. Lease Designation and Serial No.

UTSL 067710C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Bluff

8. Well Name and No.

Underwood-Bluff #1

9. API Well No.

43-037-11079

10. Field and Pool, or Exploratory Area

Paradox

11. County or Parish, State

San Juan Co., UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant to verbal communications between Richard Cottle, Harken Southwest and Jeff Brown, BLM representative the subject well will be permanently plugged and abandoned as follows:

Plug #1 - 5472-5250' w/53 sxs cmt (100% excess) - Desert Creek Top 5384'

Plug #2 - 4350-4250' w/18 sxs cmt (50% excess)

Plug #3 - 3625-3425' w/48 sxs cmt (100% excess) - this plug to be tagged

Plug #4 - 2460-2560' w/18 sxs cmt (50% excess) - top of DeChelly @ 2510'

Plug #5 - 1510-1325' w/44 sxs cmt (100% excess) - Perf 5-1/2" to 8-5/8" @ 1375' & squeeze

Plug #6 - 50' surface plug w/15sxs cmt (150% excess) surface plug to be inside 5-1/2", 8-5/8" & 13-3/8" csg.

All plugs will be balanced with mud pursuant to BLM instructions, plugging is anticipated begin the morning of October 30, 1996.

CC: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed

Title

Production Administrator

Date 10/29/96

(This space for Federal or State office use)

Approved by

Title

Production Engineer

Date

10/31/96

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

UTSL 067710C

6. If Indian, Alliance or Tribe Name

7. If Unit or CA, Agreement Designation

Bluff

8. Well Name and No.

Underwood - Bluff #1

9. API Well No.

43-037-11079

10. Field and Pool, or Exploratory Area

Paradox Basin

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Sunfield Energy

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (972)753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/SW Section 33-T39S-R23E

2080' FNL & 1630' FWL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plug #1	50 sacks	5472-5250'	100% excess
Plug #2	17 sacks	43-42' 4350-4250'	50% excess
Plug #3	100 sacks	3637-2570'	200% excess
Tagged plug #3 top @ 2570'			
Plug #4	17 sacks	2561-2411'	50% excess
Plug #5	Perfed 5 1/2 csg @ 1375'		
	100 sacks	1375-900'	8 5/8" to 5 1/2"
	95 sacks	1510-900'	5 1/2" csg
Plug #6	5 sacks	50' - surface	8 5/8"/5 1/2" annulus
	15 sacks	50' - surface	5 1/2" csg

Total cement 399 sacks

Wellbore Permanently Abandoned October 31, 1996

Site reclaim and equipment removal forthcoming

cc: State of Utah

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Administrator

Date 11/26/96

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Abandoned

2. Name of Operator
Sunfield Energy Company

3. Address and Telephone No.
P.O. Box 612007, Dallas, TX 75261-2007 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/SW Sec. 33-39S-23E
2080' FNL & 1630' FW

5. Lease Designation and Serial No.

UTSL 067710C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Bluff

8. Well Name and No.

Underwood Bluff #1

9. API Well No.

43-037-11079

10. Field and Pool, or Exploratory Area

Paradox

11. County or Parish, State

San Juan, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

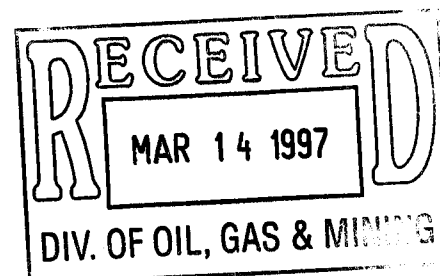
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Reseeding
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised the subject well and pipeline has been reseeded subsequent to abandonment. Attached are copies of the receipts for the seed as provided by the reclamation contractor. Should any additional information be required, please contact the undersigned.

CC: State of Utah



14. I hereby certify that the foregoing is true and correct

Signed

Title

Production Administrator

Date

3/11/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

13260 C. R. 29, Dolores, CO 81325, (970) 565-6722 Inv: No 16721

SOLD TO: BWR Enterprises

P.O. Box 1376

Costez Co 81321

SHIP TO: _____

TERMS: STATEMENT TOTAL IS DUE AND PAYABLE ON OR BEFORE 30 DAYS FROM STATEMENT DATE, AFTER WHICH 1.5% PER MONTH (18% PER YEAR) WILL BE ADDED TO THE UNPAID BALANCE. MINIMUM FINANCE CHARGE OF \$5.00.

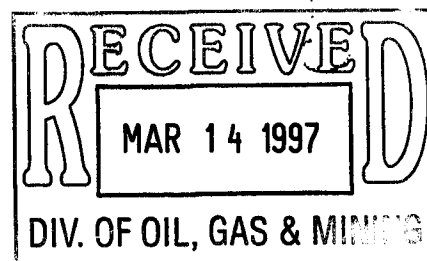
[illegible]

Southwest Seed Inc. warrants that the seeds we sell are as described by us on our container within recognized tolerances, and our liability is limited to the purchase price of the seed.

COPIES: WHITE/OFFICE - YELLOW/BILLING - PINK/CUSTOMER

Total	414.50
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Under Wood #1



underwood #1 loc to piper route

SOUTHWEST SEED INC.
13260 C.R. 29
DOLORES, CO 81323
TEL 565-8777

SEED FOR ALL NEEDS
SEED CONSULTING SERVICE

CUSTOM PLS SEED MIXTURE ANALYSIS M05678

ITEM	SPECIES	VARIETY	LOT	ORIG	PURE	INERT	CROP	NEED	RFW	MOX	GRM	PLS	DATE	PLS LBS	BULK LBS	% OF MIX
1	SHRUB: FLOWERING SAGEBRUSH	A. CANESCENS/NM	05462	NM	97.33	2.67	0.00	0.00	NF	NF	57.00	555.48	12/07/96	4.00	10.01	22.22
2	GRASS M: DROPSEED-SAND	VMS	05204	TX	99.66	0.32	0.01	0.01	NF	NF	95.00	197.40	06/14/96	3.00	3.17	10.11
3	INDIAN NICKGRASS	PALOMA	04970	CO	99.93	0.01	0.06	0.00	NF	NF	73.00	172.45	01/11/96	3.00	4.11	11.11
4	FOOB: BROMELIUM	ARTICHO	03486	AT	98.09	1.30	0.51	0.10	NF	NF	93.00	91.22	05/07/96	5.00	3.29	11.11
5	GRASS M: GALLEIA	VMS/VIVA	05092	NH	43.28	56.72	0.00	0.00	NF	NF	87.00	137.65	02/15/96	3.00	7.97	11.11
6	SHRUB: GREEN EPHEURA	EPAMORA VIRIDIS	05477	UT	98.91	1.09	0.00	0.00	NF	NF	95.00	195.16	12/01/96	3.00	3.19	11.11
7	SHRUB: CLEFROSE	CONCHITA MEXICANA	02774	CO	89.60	10.31	0.08	0.01	NF	NF	70.00	162.72	02/07/96	1.00	1.59	5.70
8	SHRUB: ANTELOPE BITTEN	PUMSITA BRIDENTARIA	05665	UT	99.99	0.01	0.00	0.00	NF	NF	86.00	105.91	08/15/96	5.00	5.81	18.52
														27.00	33.93	100.00

M05678

BWR HARKIN SOUTHWEST CORP
1 BAG AT 39.95 BULK LBS NET WT (27 PLS LBS)

THE DATE IS 07/12/97
THE TIME IS 09:18:45

RECEIVED
MAR 14 1997
DIV. OF OIL, GAS & MIN.